Amateur Radio Station LOG

AMERICAN RADIO RELAY LEAGUE

NEWINGTON, CONNECTICUT, U.S.A.

CALL SIGN

VP5D

Book No.

From 3/25/89

To 11/11/89

$2.50 U.S.
$3.50 Elsewhere

OPTIONAL

ATTACH PHOTOCOPY OF YOUR LICENSE HERE.

IMPORTANT—FILL THIS OUT

CALL SIGN _____

Station Location _____
(Street Address)

_____
(City/Town)

_____ _____
(State/Province) ZIP/PC (Country)

Time entries are in (check one): ☐ Coordinated Universal Time (UTC)

☐ _____ Time

Operator's Signature _____

EMISSION TYPES

The FCC has issued an elaborate list of emission designators. For convenience, the following common abbreviations may be used instead.

CXR	Steady, unmodulated pure carrier
CW	Telegraphy on pure continuous wave
MCW	Tone-modulated telegraphy
SSB	Single-sideband suppressed carrier
AM,DSB	Double sideband with full, reduced or suppressed carrier
FAX	Facsimile
FM	Frequency or phase modulated telephony
RTTY	Radioteletype
AMTOR	Time Diversity radioteletype
DATA	Packet radio, telecommand, telemetry
P	Pulse
TV or SSTV	Television or slow-scan television

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ABOUT THIS LOG

THE ARRL UNIVERSAL LOG

Many radio amateurs keep a detailed log of their on-the-air activities. Such facilitates confirmation of QSL requests, investigation of potential TVI/RFI complaints, and detection of unauthorized use of your call sign. A neat accurate log is a matter of personal pride with the active radio amateur.

The ARRL Universal Log suits every type of amateur operation: DXing, contests, ragchews. The left-hand segment of the log sheet contains generally **fixed** information which is not subject to change between contacts. This includes DATE, FREQ, MODE, and POWER. Consult the inside cover for mode designation. The power should be indicated in watts output.

The right-hand segment of the log sheet contains the **variable** items that will change from contact to contact. This includes TIME (UTC recommended and indicated on inside cover), call sign of the STATION WORKED, and RST REPORT SENT and RECEIVED. The TIME OFF column may also be used to log EXCHANGE information for state QSO Parties and contests for which separte log sheets are not used. This column is located adjacent to the REPORT RECEIVED to facilitate this use. Otherwise, the station operator may use this column to log TIME OFF for ragchews and casual contacts. The COMMENTS column may be used for QTH, NAME, and QSL infomration, or any other information that the operator wishes to note. The COMMENTS column should also be used to indicate any variation from the standard information required on the inside cover. A checkmark will indicate QSL send and receive.

Be sure to fill out the information on the inside cover.

LOG REQUIREMENTS

There is no longer any requirement that radio amateurs keep a record of their operations in a station logbook. On an individual basis the FCC may require a record of station operations to assure compliance with its rules. Information pertaining to specialized operations such as repeater, auxiliary and remote control still have to be kept as station records. Consult ARRL's *FCC Rule Book* for details.

We are still encouraged to keep records of our operations. This is especially true of experiments and activities that may contribute to the state-of-the-art. There are practical as well as sentimental reasons for keeping a log. The following information may be entered:

1) The call sign of the station, the signature of the station licensee, or a photocopy of the station license.

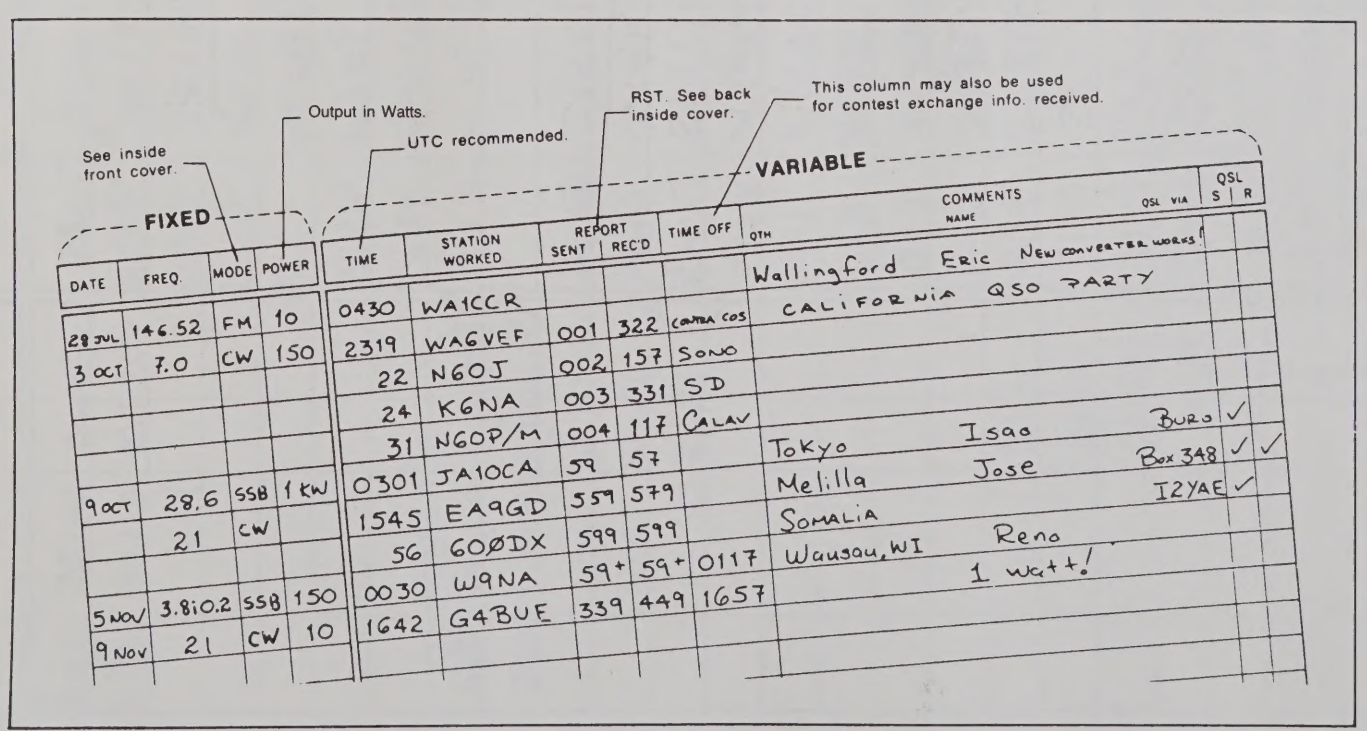
2) The locations and dates upon which fixed operation of the station was indicated and terminated. If applicable, the location and dates upon which portable operation was initiated and terminated at each location.

3) The date and time periods the control operator for the station was other than the station licensee, and the signature and primary station call sign of that control operator.

4) A notation of third-party traffic sent or received including names of all third parties, and a brief description of the traffic content.

AVAILABILITY OF LICENSE

You must have your original license (or a photocopy) with you when you are operating mobile, portable, or guest-operating at another station. At your own station location your may post your license (or a photocopy) near the operating position in lieu of having it on your person. A convenient place is provided on the inside cover of this logbook for attaching a photocopy of your license. If you are guest-operating, you must have available for inspection the station license (or a photocopy) for that station, in addition to your own operator's license.



STATION NOTES:

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
3-25	20 & 40	BCW	594	2345	/ 2320 - LWS 594 /						
3-26	50.110	SSB	100	1548	VE1YX	56	44				
	0104			1548	JS2WS	55	55				
				1619	KP4A	559	559				
				1627	VE2DFU	339	33N				
				1628	W3EP	559	559				
				1630	WA1VRH	569	559				
1636	(CJ0WN) FSK BCW (0295)			(BCS SOUTH OF PGM)		70	165U	- CT4KQ/22 (1651)			
2641	- LW8DU W6 594										
		57.110		2056	ZL2CD	58	58		FL Bill (ZL2IS Ray)		
		57.111		2100	ZL4KB	56	56		Bill RE68 10 Watts / 5eC / 101 ZL4KB to		
		57.111		2105	ZL2CD	59	59				
				2108	VK4KJL	59	59		JOHN - QG62 540mg KJL		
				2111	VK2ASZ	57	55		VK4ZJB 44		
				2113	VK4ZJB	58	55				
				2114	VK4DMi	54					
				2116	VK2ZXC	55	55		QF55		
		57.111		2119	ZL3TPG	33	(44)		Ri66 Ri2		
		57.110		2127	ZL2KT	55	59		RF80		
		57.120		2143	ZL2UBG	33	41		Bill RF80		
		0130		2148	VK2ZXJ	57	57		Roger - QF56		
		0		2150	VK2ZXC	59	59		Norm		
				2154	VK2YC	33	33		(PA3AS)		
				2155	VK3LK	52	52				
				2157	VK3OT	55	55		3D2DR		

57.120 ZL2UBG RF82 ZL3

117.9
118.0

IPaL / VSOrS /L

Yes / es

WSFF

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LMOiPL
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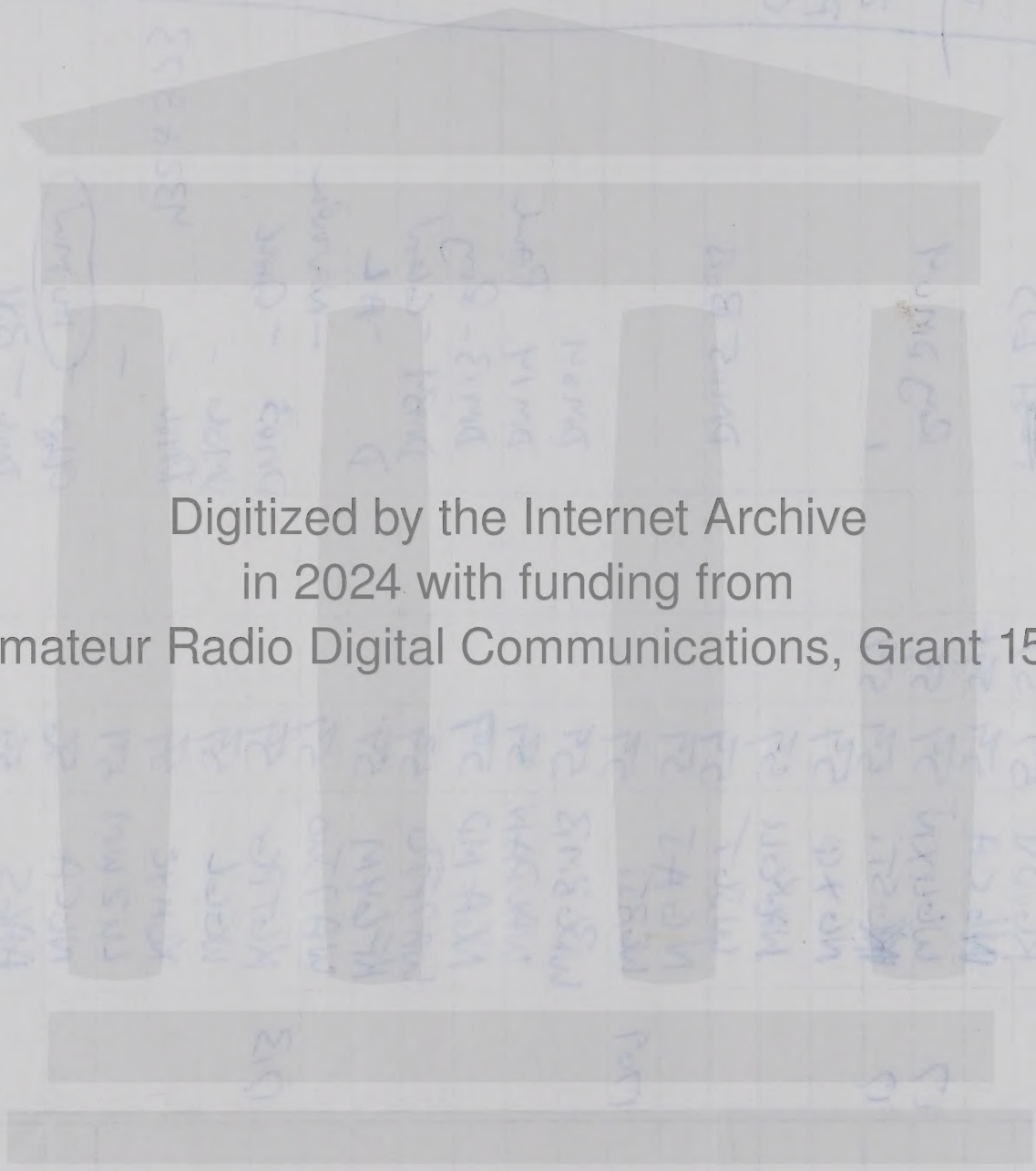
DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
3-26	50.115	SSB	100	2214	VK5NY M2	57	58		Roger PF94 -		
				2216	~~W~~K3TIC	57	57		REG6		
				2218	~~W~~K3AM 2K2	339	22				
				2222	VK5NC	44	~~59~~				
	(.114)			2223	CX1DDU	56	59		TATO		
	223. - ~~228~~										
3-27	1720Z - TV Work			80-90° - 080, 062, 018, 153(GZ)							
	2000Z - TV Work			- 057.3, 090, -							
	200° - WA1BS, 45,			WD7 ~~0605~~ 0615, 2050 NOLL 240, WB4 ~~559~~ 579							
	50.115 SSB 100			2057	KH6IAA	55	54		AL -		
				2100	K9RX/4	55			EM94		
				2102	N5KW	55	52		EM25		
				2103	WD4IYS	55	55		EL99		
				2103	WA5IYX	44	54		CO2KK - (120)		
				2104	~~W~~K9BJG	44	55		EM57		
				2105	W4FNR	33	55		E 96		
	2235Z - 208 449/										
3-28	2110 - K8WK2 - 35 - 240° - 229 -			2143 - BKS NFLA, LU8YYU,							
3-29	~~28~~ - NOTE? 2020 200°			1KN5S 2115 WB4 ~~559~~ 579 BKS, 2122 KG6DY							
	2336 NOTE										
330	50.116					249					
	(1527 - JS2US 579) (1533 LU8YU 55)			1407	ZS3AT	~~559~~	339				
	(2341558)			~~1502~~ 2	ZS3AT	58 55	58 52				

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	QTH (1600)	COMMENTS NAME	QSL VIA	QSL S	QSL R
3-30	50.		100	1658	KGHHJ	~~59~~	59			PY2AA 253 VHF 0172			
					KGODV	57	57			~~FB~~ ED			
					W6CA	59	59+				T2		
				17	W6UXN	59	59			Roy DM04			
				17	~~W~~GSTi	59	59				ZS ~~H~~		
					NGXQ	59					PJ9F~~H~~		
					WA~~K~~OU	59					CoRu Ba		
					WJGT	59				DM05 Bob			
					NGAJ	59							
				1709	WGRJi	59							
					WBGBMB	59				DM04			
					WAGDAW	59				DM14 Paul			
					NGAMD	59				DM13 - Roy			
					WA7FPO	59				DM34 - Glen			
					KF6YM	59				D - AL			
					WA7JUO	59				- Nevada			
				D13	KGTPG	59				DM03 - Carl			
					WG6L	59				DM06 -			
					KC~~M~~YC	59				DM06 - 4328873			
					LU2WM	59				-			
					NGCA	56				Clyde (100 MW)			
					AA6S	59				Dan - Bill			
				1717	KGUiY	57				DM14 - Jewett			
	116			1722	CX4HS	59				Alberto GF17			
	109.5			1727	PT9FH	59	59			TONY - CORUMBA, BRAZIL	P.O.B. 343, 79300		

WAIF



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DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
3-30	50.	SSB	10W	1732	KG6MEF	57	57		Mobile (CTesting new Swan 500)		
				1735	WA7YWM	59	59		DM33		
				1736	WW7B	59	59		DM43		
				1737	KG5ZIK	59	59		DM03 Duffy		
				1738	W6WQU	59	59		DM26		
				1738	KG6QAN	59	59				
				1739	KC6QR	59	59		CM99		
				1741	W6WVR	59	59		CM88		
				1740	KG6UZK	59	59		Paul - CM87		
				1741	WA6JYJ	59	57		DM05 John SW Colo. KC4SM 135		
				1742	WB7FDQ	59	59		DM43 - Mike		
				1743	KA7BCP	59	59		DM26 -		
				1743	KG6EM	59	59		DM04 Tom		
TOW Bilovic				(1822	WD7E SSB Sked)						
	28.60	55.3	100	1850	ZS3E	59	59				
	gone TO	1930 2225							LU4YU 33 33		
				2229	LU4EJ	59	59		Martin - GF11		
3-31	(0035 - CX4HS			0040	LU8AHW	579 CW			21/4 26 33 TZ 57 160		
				21	ZL3TIC						
4/01	(1822 - LU1	SSB	5+		W4 - LU1DVT) - W4BS - Sked W's				WB4HXT 33 33 / N6CW 57 / LU8 GF11 EJ55		
				1900	HC8GR	57	57				
	47.15			1947	ZL2KT	34	57				
	"			1950	ZL2AGJ	33	57		- RST - Pat		
	"			1957	ZL2TPY	44	43		- RST -		
				1957	ZL2CD	35	45		Bill		

KC4SM. 135

GI 4IV LU8

tnx 111 6 GR2

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4-01	57.119	SSB	100	2010	ZL4LV	42	43		Ron - RE54		
				2011	ZL1MQ	59	59		Cliff - RF73 -		
				2014	ZL2TWR	59	57		Steve - RF72		
				2015	ZL3NE	55	56		Bob - R - Auckland		
				2016	ZL1AVZ	59	57		Bryan - -		
				2018	ZL4DC	44	55				
				2020	ZL[illegible]ADP	44	55		-		
	3110			2030	ZL3ADT	57	44		Russ -		
				2040	ZL4OY	55	55		ZL2CD		
				2041	ZL2UBG	59	59		Bill -		
				2042	ZL2AQR	59	59		Derek - - RF58 - Hastings		
				2046	ZL[illegible]MKW	59	59		Dave - RF82		
					~~ZL TIC~~						
				2048	ZL1BHY	55	55		RF81		
				2050	ZL2BO4	59	59		Dave RF50		
					~~ZL3~~	~~54~~					
				2054	ZL3TIC	59			Mike REGG		
				2056	ZL3TLG	58	56		Keith - REGG		
				2059	ZL1AGN	55			-		
					~~ZL1CUY~~						
				2100	ZL3TY	44	55		Bob - REG3		
				2101	ZL4MM	334	55		PZA		
				2106	ZL1ZA	59	59		Paul		
				2109	ZL1AVO	59	59		Keith		
				2115	VK2ASZ	55	44				

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DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4-02	0205	-	HC8,GAE.HC		59+ NOTE				HC8Six - 0515 / LU8AHW CW Only		
	.130			0233	LU4EBC	59	59		George - 50 watts - 2 Yagis 144.150		
	.13			0240	HC5T	59+20	59		Jimmy - FE07		
DDI	(0341	HC5Six		59+	Pse BS 850?	- 0347 - YY wk BS and us 50.110 - 240 - 250					
	OFF 0357										
	50.110	SSB	10W	1525	ZS3E	54	52		(Kos - N Sign Beacon)		
				1808	8R1AH	59+	59+		AH3E 125.0		
	Regional 24 41			2146	ZL1AKW	59+	59+		Dave -		
				2148	ZL1MQ	59	59		-		
				2157	~~ZL1ANK~~	55	53		VK2VC / Vince / QF56		
				2152	VK2BA	56	55		David - / FK4AG - 2 yrs		
				2154	ZL1AXB	57	57		Pat - RF73		
4/03	(1850	SSB			55+ Pic - Uruguay (SM) (Colchester Nth?)				ZL1/oc-		
				LU4MA CW	10 - 1950	559					
4/05	(2130 - 2k 3,172 57										
4/06	- 1427 - wk 264 - 1493				- ZL1,2,3,4 + BIG - with K2,4,M8,QZ -						
4/10	LU8YA 18-46								FF57 - LU1MA QTH / .0857 - LU1MA -		
4/13	0018 - LU5FE 58 / 0155 - NOTE				inc LU1MA						
4/04	28	SSB	1KW	1201	VU2CPW	59					
				1201	VU2 WAP	59					
				1208	LX2QR	59					
				1207	OZ9GIT	59					
				1210	IR4AGW	59					
				1211	YU4AMW	59					
				1212	EA7BIR	59					

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/10/84	28.0	SSB	100	1213	SP4BY	59					
				1215	UA9AKC	57					
				1219	SM6DOI	59					
				1226	TZ6MC	57					
4/12/84	28.495	"	"	2318	XF4L	59					
	28.ov	"	"	2331	ZL2APF	59					
TUW 3HNK				2338	IT9CJC	59					
NEW 4/16	50.108	SSB	150	2157	VK2ZXC	56	55				
				2159	VK4DDG	55	52				
				2200	VK4KJL	52	54				
4/17											
	50.105	SSB	150	2111	ZL1AVZ	59	59		BRIAN —		
	"			2115	ZL1MQ	55	57		CLIFF — ZL2TPY		
	.110			2129	ZL3AAH	57	53		(REG'L) AAH — JOHN		
	"			2131	ZLØAAH	56	57		CURT — (REG'L)		
4/18	.110	SSB	150	2120	ZL2TPY	43	33		IAIG - ZL2TPY - 1900		
									HAS ZL4AKW? —		
4/19	28.502	"	10W	0227	5WØBX	55	52		2 ZL1AMB		
				0241	VK6PGT	57	59				
				0243	VK6BA	56	58				
				0245	VK6SW	55	56				
				0248	VK6BJK	55	59				
				0249	VK2ALP	59	59				
				0257	VK2NTJ	55	57				
				0252	ZL2CY	56	57				

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DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/19	28	SSB	1KW	0255	VK4~~HAC~~	58	58				
				0257	ZL1BKX	59	59				
				0258	ZL1ATV	57	57				
				0258	VK7NR	55	57				
				0259	LU8MBX	58	58				
				0301	VK2EYI	59	59				
				0302	VK2IKBT	57	59				
				0303	VK3IKLO	56	55				
				0305	VK2VMX	58	59				
				0306	VK9NS	59	59		0110 - 1900 - 2130		
				0310	VK3AHT	58	58				
				0311	VK2VA	59	59				
				0312	VK4VXX	59	59				
				0313	VK3YH	55	57				
				0314	VK6ABS	57	58				
				0314	VK3CAG	59	59				
				0315	ZL1ALN	59	59				
				0316	VK2WIA	59+	59		Visit - Citizisterfuncd		
				0317	ZL1BYW	59	59+				
				0319	VK2DML	57	59+				
				0323	ZL2AN	59+	59+				
				0324	VK7NHT	57	59				
				0326	VK4AIX	56	59				
				0327	VK2KPA	55	—				
				0328	LU2CC	57	59		020 2.085 DA		

0315 - ZL3VW - 59 NaT

(7.165 NA)

206/07 K-03

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/19/87	28	SSB	100	1955	ZL4AAH	59	59		Curt - describe itinerary - VIA ARRL		
		"	100	2316	W6GBC	59+	59+		Glen - Carlsbad, CA.		
				2321	VK1RJ	59+	59		Rod -		
				2324	ZL1TN	59	59+		Ken - Auckland		
				2325	W5YPY	59	59		Ken - ETX		
				2328	K7IR/K	59	59		Bob - ETX		
				2329	K7IRK	59	59	636.	Bob - ETX		
TO HAWK				2331	VE1AOE	57	59		Don - Nova Scotia		
4/23	28	SSB	1KW	1421	G4FWX	59	59		Gerry - NR Birmingham		
				1426	YO2DHP	59	59		- Doug/Jamie		
4/23				1428	SV1AKW	59	59		1851/2/03 4/20 pm		
				1429	GM4VWV	59	59				
				1431	FK7JXD	59	59				
	21 (229)	SSB	150	1438	W6OVO	59	59		Joe - San Diego - TOURIST		
	(229)			1504	W5TBY	59	59		Bob - Austin, TX		
	28	SSB	1KW	1556	4Z1A	59	59		Moshe - 4XGLM -		
	28	"	1KW	1606	HA8RF	59	59		Feco - Hungary -		
				1608	F2VRN	59+	59+		Bob -		
				1609	CT1BH	59+	59+		TONY -		
				1611	IV3GBT	57	57		-		
				1612	VT3ATM	59	59				
				1613	4U2FE	59	59				
					DFB						
				1614	DF8WS	59	59		Willie		
				1615	LZ1V	59	59				

Sam / Jamie

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4-23	28	SSB	11CW	1628	IT9YXO	59	59				
				1642	IS0IBY	56	56				
				1646	G4UTQ	59	59		MATT		
				1650	DL5YCD	59	59		TOM -		
				1653	G4AKW	59	59		RON -		
				1703	OE5KPN	59	59				
				1706	G4TLG	59	59		JEFF		
				1709	DL6RA	59	59				
				1711		57	58				
				1712		59	59				
				1715		59	58				
				1717		57	57				
				1719		59	59				
				1721		59	59				
				1724		59	59				
				1725		59	59				
				1728		59	59				
				1730		59	59				
				1732		59	58				
				1734		59	59				
						59	59				
4/24				2130	KB0DZJ	59	59		BUTCH -		
				2132	N5MYJ	59	59		PERRY, TX		
				2136	WD0 [illegible]	59+	59+		JIM - WICHITA, KS		
				2135	K5ZZ/5	59	59		BILL		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/24	28.500	SSB	1KW	2137	~~K~~7 BF	59	59		SUNE -		
				2139	AA5 JM	59	59		LLOYD MESQUITE TX		
				2139	N ØTGO	59	59		JON - MN.		
				2141	N0CAP	59	59		TONY - COL.		
				2141	WB5CNZ	59	59		MARK -		
				2143	W5 QNF	59	59		HENRY - HOUSTON -		
				2147	K5 JND	59	59		TRIM - "		
				2148	N7 DIC	59	59		HAROLD - OK -		
	14.237	"	150	2203	DL1SBR	59	58		FRANK - GERM		
					~~N2LOK~~						
	21.268	"	150	2225	GI4KOW	59	59		ROBERT - ARMAGH] JODY		
				2234	K1JO	59	59		JOHN (NH)		
4/25	28	"	1KW	2105	VP5HC	59	59				
				2110	WB8 GCX/M	59	59		JIM 1844 OLD OXFORD RD		
				2116	K5 AM	59	59		GEORGE / HAMILTON OHIO 45013		
				2118	K6 PXT	59	59		LEE - FULLER -		
				2123	KA9QVR	59	59		CARL		
				2136	VE2PJ	59	59		TERRY FRANCIS		
				2129	ZL1BWM	58	58		DON GISBORNE -		
				2131	ZL2BKJ	58	59		[NAPIER BENIC] HAWKES BAY		
				2140	WD4ARM	59	59		- KY		
				2141	KA9BJM	59	59		GARY - IL.		
				2143	KE7KE	59	59		JIM - OHIO		
				2145	N6ALC	59	59		SONNY - MO		
				2147	N4JQQ	59	59				
				4/x 0040	210/W4GMH	59	59		ED MN		

TO HAVE

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/25	28	SSB	1KW	2157	N6 ICA	59	59		JERRY - MO.		
				2152	N8						
				2153	KG ~~QZ~~	59	59		JOHN LA.		
				2155	WD9EJK	59	59		PAUL -		
				2156	N8JGE	59	59		- MICH		
				2157	W5ILR	59	59				
				2158	KB2FDZ	59	59		FRANK		
				2159	N4SKE	59	59		MAC		
				2159	VE2YU	59	59		LARRY MONTREAL		
				2200	N8ITP	59	59		HAL		
				2202	N8HCM	59	59		BILL - MICHIGAN		
				2203	WG TDZ	59	59		FRANK		
				2205	KE9IX	59	59		GARY -		
				2206	WC5E	59	59		RL - TX		
				2207	NG1FR	59	59		STEVE - CAL		
				2208	KAG9JE	59	59		DON - INDIANA		
					~~QRZ~~						
				2209	N9HSP	59	59		STEVE - ILL.		
					~~QRZ~~						
				2210	K3ZYD	59	59		ED MD		
				2255	WG1Z	59	59		BILL - SAN DIEGO -		
				2258	N4HID	59	59		ED - KY		
				2259	N1FYF	59	59		- MASS		
				2300	KG5MF	59	59		NEIL - CA CLA.		
				2301	WAGJCD	59	59		BRUCE -		
				2302	N5MKK	59	59		DAVID - TX		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/25	28	SSB	1KW	2303	W6YAR	59	59		JOHN -		
				2305	WA6ESG	59	59		ED/VISTA		
					E						
					P						
				2308	VK2TG	59	59		AL/SYDNEY		
				2310	W6ZKH	56	59		FRANK		
				2311	VK4RK	58	58		KEN - ROCKHAMPTON		
				2319	WB6GPF	59	59		JO[illegible]		
				2320	VE1BQB	59	59		-		
				2321	VK2RZ	59	59		PAT -		
				2323	WA2FUZ	59	59		JOHN -		
					~~ECT~~						
				2324	~~W~~KB6DEC				~~JEFF~~ / ~~59~~ MV		
				2325	N9IAP	59	59		. FIL.		
				2326	N8CHB	59	59		ROGER - MICH		
				2328	KB9CMA	59	59		JANICE - WISC.		
	14.346	SSB	1KW	2334	K9AE	59	59		MEL - 14.313		
	"	SSB	"	0001	WB7RSL	59	59		TOM - SEATTLE		
4/28	- COULD NOT HEAR ANYONE ON 14.346 SSB			)							
4/29	144.200	SSB	200	0321	W4AMJ	~~56~~	53		EL86 - FAYETTEVILLE		
				0324	W4FF	55	56		EL96 - FT MEYER, FLORIDA		
				0326	WD4AHZ	58	53		EL57 - RON (W4FSU)		
				0330	W4EMB	57	59				
				0331	WB4[illegible]J	53					
				0332	KA4ZRI	57	59		BOB EL96		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/24	144.200	SSB	200	0401	WA4ZAA	56	59		Fve. FL 57		
				0403	W4[illegible]	57			— New stations —		
					W4AMJ				W4SDF/W5VAC		
				0405	KB4MRX	59	59		EL96 —		
				0406	K4UO	55	55		EL 88 — Will —		
				0408	WA4DJS	55	53		EL 96 — KS —		
				2332							
4/28	50.105	SSB	150	CE3XK	→	59			Ronaldo		
				2337	FC/AQ	55			DRic 13H52		
				2339	VK2QF	55			New —		
4/30	28	SSB	11W	1411	ZP5RG	59					
				1435	9Q5NW	59					
				1428	5N9GM	59					
				1422	G4iHC	59					
				1424	G3RHM	55					
				1430	G4ZQL	55					
				1428	G3NYD	59					
				1426	4X4FR	55					
5/19	2939			[illegible]							
				[illegible]							
				[illegible]							
				[illegible]							
				[illegible]							
				1431	G4DOI	59					
				1432	DK3RV	57					
				1433	N3DTD	55					

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4/30	28.	SSB	150	1434	G3TMA	59					
				1435	EA7PW	59					
				1436	ON4TY	59					
				1436	GØGUC	58					
				1436	HB9RG	59					
				1437	PA3DYV	57					
				1438	GWØJMJ	59					
				1439	GØBCB	59					
				1440	F1HWB	59					
				1441	GØEHQ	59					
				1443	VE1RJT	59					
				1449	VE1JON	59					
				1451	EA4GT	59					
				1452	PA3ESQ	57					
				1455	G4ZYY	59					
				1455	EA4FCN	57					
				1455	GØHNW	57					
				1458	F1JTL	57					
				1458	4X1io	57					
				1459	PA3BAH	58					
				1500	CU3ABN	58					
5/4	28	SSB	1KW	1217	JA5OYU	59					
				1221	JH2ØMT	59					
				1222	JA2GVJ	58					
				1222	ZS6MAL	59					

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
5/14	28.	SSB	1KW	1224	JA2IVY	59					
				1225	JM1XCW	57					
				1227	JA2YPO	59					
				1227	JH2MAZ	59					
				1228	JJ1TBB	59					
				1228	JH1IED	57					
				1229	JA5DQH	59					
				1230	JA1HGY	59					
				1231	JAGOXT	56					
				1233	JH3DPB	59					
				1234	JA1QWT	59					
				1234	JK1XEL	59					
	14.166			1234	JA1TGO	59					
5/15	~~28.~~			0220	RZ3DC	59					
5/18	28.885			2115	NI6E/KH6	57					
	144.200	"	150	2137	KP4A	57					
5/19	"	"	"	0252	NP4NP	56					
				0255	KP4EIT	56					
				0305	KP4EKG	44					
	432.110	"	100	0313	KP4EKG	55					
	50.105	"	"	0353	KP4EKG	55					
	"	"	"	0353	KP4A	57					
	144.2	"	"	1156	WP4G	59					
	432.110	"	"	1157	WP4G	57					
5/21	18.127	"	"	1408	WØMLR	55					

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
5/21	18.127	SSB	100	1412	W2AHZ	57					
5/23	144.200	"	150	0223	W4EMB	57					
		"	150	0237	K1FJM/4	339					
				0243	WB4MJE	57					
5/26	28.537	"	150	1355	RBØGWG	59			MIKE		
5/28	7.160	"	150	~~0800~~ 1800	VP5LJ	59			LEROY - NU FD		
				~~0800~~ 1800	VP5DG	59			DONNIE - YES		
				1800	VP2MLD	( )			LAWSON =		
				~~0800~~	VP5BAM	59			=		
				~~0818~~	VP5AM	59			HOWARD - (SC)		
				~~1203~~	W1HVA	59					
5/27	50.110	"	150	1240	W4UY	59			VALENTIA, V3.		
5/28	21.240	"	1KW	1329	4J1FS	59	58		C/O OH5NZ		
	18.151	SSB	150	0150	AL7i	58	56		BEN - ~~HOWARD~~ ATC -		
6/03	7.160			1200	VP5BAM						
				1200	VP5/KA4NYO				BOB | SENS APP & CLASSIFICATION | 40 MTR TUNER		
				1201	VP5PC				HELEN TR 4+		
				1201	WB4MJE				RENE AM 5-		
				1202	W4/VP5GT				ROBIN MARATHON		
				1203	VP5LAJ				LELAND		
				1203	(VP5D)						
					(VP2MLD)				LAWSON		
				1222	VP5HM/CGA				(HOWARD)		

8731.4

8965.5 — USB 2222/ 6886.87

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
6/8	50.110	SSB	150	1313	FS/WB4VCC	57			FK88		
6/24	50.110	"	"	1638	W4GJO	59					
				1639	K4AEK	57			EM74		
				1641	WB8IGY	59			EM79		
				1642	W2MGF	57			FM03 RI		
6/29	28.494	"	1KW	1428	SV2KG	58	59+		JACK - Greece		
				1435	4X4HQ	57	55		RAN - ISRAEL (4X6VK) -op-		
				1435	4X6VK	57	55		RAN		
				1439	4X6UW	55	57		SHALOM		
				1441	IC8BNK	59	59		- Capri -		
				1442	IØYR	58	58		George - Rome		
				1443	EA4CWN	59	59		- Spain		
				1444	5B4SA	59	59		Lawrence - Cyprus		
				1445	EA4IA	59	59		-		
				1446	SVØEF	55	53		COSTAS -		
				1448	EA4BUE	59	59				
				1448	N3CCQ	59	59		FRANK -		
				~~1450~~	~~D44BS~~	59					
				1452	SV9AWK	57	59		NICOS - CRETE		
				1454	TU2JL	59	59		JOHN -		
				1455	EA4CP	59	59		JOE - MADRID		
				1456	IT9PKO	59	59		JOHN - SICILY		
				1457	EA7CWV	59	59		PABLO - SEVILLE		
				1458	IT9ZXX	59	59		ROY -		
				1476	EA4DCT	59	59				

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
	28,490			1459	EA5KB	59	59		Joe -		
				1500	IK8QQH	59	59		-		
				1500	EA4DYM	59	59				
				1501	FR5EL	59	59		F Reunion		
				1502	EA5EGT	59	59				
				1502	F8 EN	59	59				
				1503	EA5EFV	57	58				
				1503	EA4DCT	59	59				
				1504	EA5FKQ	59	59				
				1504	F6HSW	57	57				
				1505	IK8BQE	59	59				
				1505	TA3C	38	58		- Turkey		
				1506	FS6TTR	59	59		- Sansoura Isl		
				1507	EA4DZQ	57	59				
				1508	EA1CYV	57	59				
				1509	CE6JOE	59	59		P/H.Z		
				1510	IGGMO	59	59		-		
				1510	FD1JSM	59	59		/P -		
				1511	IK8GJN	59	59				
				1512	EA5FQS	59	59				
				1512	IK8JZO	59	59				
				1513	4Z4HX	57	57		4Z - TelAviv		
				1514	IK8BMW	59	59		-		
				1514	EA4DPK	59	59				
				1515	Auc	59	59				

IK8Auc

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
	.490	SSB		1575	IK6FHX	59	59				
				1576	6W6JX	59	59		Senegal / JOHN		
				1577	SV1AC	57	57		JOHN / ATHENS		
				1578	EA5CUU	57	57				
7/02				1205	VP5LJ	59	59		Grand 22yrs/1117QSOs		
					VP5MLD	57	57		Lawson		
					VP5VAF	59+	59+		Pete		
					VP5DG	59	59		Doug		
	520	SSB	150	1423	4KØHEU	59	59		San Antonio %HKØFBF		
7/08	.400	SSB	10w	0441	WN5F	57	57		Kim - TX -		
				0443	KB8EJD	58	59		Carol - Mich		
					~~JOR~~						
				0445	N4PGE	58	59		Dan / GA		
				0446	N8JQO	59	59		Frans / Mich		
				0447	KB6AOQ	57	57		Dusso / Cal		
				0448	KC4SJB	58	68		Jeff / Fla.		
				0449	WA6AVS/7	59	58		Russ / OR		
				0450	K9UXC	59	59		Skip / Ill		
				0451	N5KZZ	58	58		Walker / TX		
				0452	WB8GEW	58	59		Andrew / Ohio -		
				0452	N4VXX	59+	59+		Tom / Fla.		
				0454	KB9GLF	55	33		Carol /		
				0455	KB5OC	55	43		Tulsa Cathy		
				0455	K4VMT	59	59				
				0455	N4IBY	57	55		- MO		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
7/08	28.4W	SSB	1KW	0457	N4BBE	59	57		JOHN/SC		
				0458	KEØTX	59	59		SPENCER/MN		
				045	iOL						
				0459	KEØMV	57	57		RON - WISC		
				0501	KAØCSI	57	57		DAVE IOWA		
				0502	KBØ ~~XX~~ EC4	55/55			BOB - IOWA		
				0503	NØCØE	57	57		JOE - MO.		
				0504	N9HOZ	59	59		JIM - IND.		
				0505	KAØMOZ	~~58~~	59		STEVE - ILL		
				0507	K9OWØ	57	59		PETE ILL		
					~~9C N~~						
					WBØYBW	55	55		SD - 55 44376		
				0509	NØiØG	58	58		MIKE WISC		
				0511	K7QXG	57	58		BOB - ORE		
				0512	WE9L	59	59		HARVEY - WISC		
				0513	KC4LKZ	59	59		BEN -		
				0514	KB5GRC	58	58		- TX		
				0516	KC4J ~~BI~~ (JBI)	58	59+10		POMPS. - FL ~~44376~~ SD. - LOU		
				0517	WZ7E	56	58		STEVE =		
				0518	~~KC5~~ KG5QIH	55	59		" TX		
				0519	WD9FFG	59	59		RUSS - IOWA		
				0520	N7KNI	59	59		KEN - IDAHO		
					~~NØ~~						
				0521	NØKNB	59	58		- MO 52911		
				0522	K5XI	59	59		STU TX		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
7/4/87	28.40	SSB	1KW	0523	N5GHY	52	59		BOB - TX		
				0525	NØVHZ	59	59		- MO.		
				0525	KA9QJG	54	59		DON - FLA		
				0526	N6SNO	55	55		FRANK - SOC. GROVE CA		
				0528	WA4ZRB	54	59		CARL FLA		
				0529	KA7RFD	57	59		- OREGON		
					~~KB7PD~~						
				0530	VK8AG	59+20	59+10		AL - DARWIN		
				0531	WA4MBI	59	59		GORDON - FLA.		
				0533	WA4~~QTX~~	59	59		JIM - FLA.		
				0534	KC7DH	59	59		- OREGON		
					~~QSB~~						
				0535	KC7EY	59	59		CLAIRE / OREGON		
				0540	KA4NTX	59+20	59+		BILL / FLA.		
				0542	N4KAJ	57	59		JIM / FLA -		
				0543	N4JTS	59	59		DAN /		
				0545	N5LZB	59	59		CHRIS / TX EL PASO		
					~~QSB~~						
				0546	WØYPM	59	59		DON / MO.		
				0547	NGUUG	59	59		/ CAL SUISUN		
					~~QSB~~						
				0549	KB4TLH	59	59		GREG / OHIO		
				0550	KB5JVX	55	56		CARL / PORT ARTHUR, TEX		
				0552	KB5KAE	55	59		/		
				0553	KC4FNH	53			/ NC		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
7/09/84				1220	G4UPS						
				1220	T77C				DUPONT CW 010-		
					EA8/G3JVL						
				1658	G4AHN				G2iC		
				"	GJ4iCD				G~~E~~4iCD - ~~Jeff~~		
				1715	G2ADR				GJ4iCD/EI4K		
				1719	G4UPS				- EI6AS -		
				1720	K1JRW				(1SW)		
				2301	G4GLT	56	S		DOVE		
				2307	PA3EWI	56	59		PETER - JO21 (CX 1840 - 1915) 19W LU BCN		
					G3JVL/EA8				only 1 day 2 mins NOT E3 LOOK 2 THIS ~~MR~~		
				2329	EI6AS				1000 GMT SESSION on E3 2350 GMT SESSION - ~~ALBERT~~ 1LW6HY > 2116 4W3 / DUBLIN 1250 GS on 6		
					- HAVE HE 1640 -						
					(EA2GB)						
				(0104 - 46/10) OH1MJJ 59+					- TO G4GLT -		
7/09/84				0107	OH1MIJ	59	59		GMT 19+ Cont/SALLE		
(Zone 11)				0114	LZ7A	59	59		BP - CASTON (VK3OT)		
				0117	EA3EGB	59	59		MANCL DARWIN		
				0119	FB1LNB	57	59		QSM 49.42 80KW WIND SIKEN RIDGE		
				(0317 - KK, WK AZW7, 0?,							
	7.160	SSB	1KW	1206	VP5LJ	59			LONG		
				1206	VP2MLD	55			LAWSON		
				1210	VP5WM	59			MR MILLS		
				1216	VP5VAF	59			BRIAN - NZ adding		
				1217	VP5JAD	56					

- TO G4GLT -
4 WATTS 5, 8, 6
ALL E.C. - VK4-3-2-1-9
100 WATTS 50.05 TO 50.2
JULY 1ST ON -
VK9YQS - TO END NOV
LOSS 150 KM CH. 0, 6010 KM THERE.
7X
OH6
NEW CH. 1 TV THERE -

- VP5DG 1964 -

1) TC Weather — PS: 18

2) VP5 ~~JM~~ New 4 el HF Beam
+ Rotor
– Now Full Station – Eventually
Move to Full Class Station

3) Set 4 Arm – Guying – Ant Raising Plans
~~Wf Full~~ Vertical, Slope dipole,
VHF + operating Room
Emergency Power – 12 ± 110

9/16/89

~~VP2MLD~~ – RN / Overcast / 59

VP5LJ – Pleasure / Bass in town / PC – 2190

(VP5VaF)

~~59~~ 1221 V44 KF – 55 Keith 57 /

VP5 VAB / nm / 2 – Competition Buttons –
Dazzle / Rotary

VP2MLD

BM

6 PG OK

IN / Approval – Passage
Lon from Monterey
Transport /

– ITU Zone 11 –

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
7/16	7.160	SSB	1KW	1200	VP2MLD	59	59		LAWTON	FC	
					VP5ZJ				Gary	FC	
					V44KF				KEITH		
					VP5VAB/MM2				ALIEN – GEORGETOWN BAHAMAS 0/5		
7/23	7.160				VP2MLD	57	59		OVERCAST		
					VP3/KA4NYO				BOB / SC – RAIN/CLOUDY		
					VP5VAF				BRIAN		
					VP5VAE				GENE		
					VP5VFC				– 57W/		
					VP5JM				–		
					VP5DB				–		
					VP5VAB/MM2				– – ABACO TO STAYED		
	7/27/89				KP2H				– PUERTO RICO –		
TO W3HNK					VP5WM				MR MILLS		
					N4VFJ/CCA				WAWA – ST PETERSBURG MID AUGUST	GEORGETOWN	
8/06/89	–			1200	VP5PC		Helen		80°/20 MINUTES –		
				↓	VP5JD				TR7 / TB5W > 457/		
					VP5LJ						
					VP5YAF				11AM – 12N		
					VP5HL				4511 –		
					VP5JM						
		(12)			VP5VAB/MM						
					VP5VNF						
					VP5WM				~~4511~~		
					VP5VAE/CA4						
					VP5/N4YO				BOB – JUNK		

VP2BNQ

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS	QSL S	QSL R
~~8/11~~ 8/12	21.247	SSB	1KW						QTH 21.247 / IKC4AHH / NCGJ BRENT -50°C		
8/11	28.150	"	150W	0757	VK3YV	59	55		~~SWIL~~ DON - NR MELBOURNE		
	21.196	"	1KW	0810	RA9SGL	57	57		SERGE / FB1VW /		
				0815	DK5EL	44	44				
				0816	UVGAFE	~~55~~	59		OLEG -		
				0817	4X6GS	56	56		Dave		
				0818	RW3AH	55	59				
				0820	PA3DQV	~~56~~	59				
				0820	F8UKC	57	~~58~~				
				0821	VK3VRK	57	58				
					~~EBN~~						
				0822	UA9OX	56	59				
			~~-~~	0823	TK5CBE	56	59				
				0824	HSAFU	57	59				
				0824	F9LX	57	59		Jean		
				0825	FG1FZ	57	59		.		
				0826	DA5CON	59	59				
				0827	2S1OU	57	57		JACK		
				0828	EA5GDQ	~~55~~	53				
				0829	DJ5MS	56	56		Peter		
8/13	7.160	SSB	1KW	1200	VP5BAM						
					VP5VNF						
					VP5VAF						
					VP5JM						
					VP5VAC						

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
8/13/89	7.160	SSB	1KW	(1200)	VP2MCD				KJ4X BCN — 28.205.7		
					VP5VDD				ZD8HF 28.291.6		
					VP5HL				W3VD 28.294.7		
					V44KF				P42AM; 28.300		
					VP5WM						
					VP5DG						
8/24/89	7.160	SSB	1KW	1204	VP5JM				JUDY —		
					VP5WM				MARMONS —		
					VP5HL				Hugh —		
					VP5VFC				Fred —		
					VP2MLD				LAWSON —		
					VP5VNF				— BECKY		
					VI5/RA4NYO				BOB — 25TH — Leave		
					VP5VAE				GUY		
(8/24	-10 open 1130 ←			LZ1UFG, PA(TNW2)		W4TN VKG		LP —			
8/					VP2MJD						
					[illegible]						
					[illegible]						
					[illegible]						
					[illegible]						
					[illegible]						
					[illegible]						
					[illegible]						
→					[illegible]						
					[illegible]						

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
									/Z=5 /		
	28	"	"								
10/01				1202	VP5GT				E/15 - 1008/		
					VP5JM						
					VP5VNF						
					VP5HL						
					VP5VDD						
					VP5WM						
					VP5LJ						
					VP5RF				R04/		
					KF5DC/CLA				/		
11/08	—		1200		VP5GT (Robbie)				J73CB - Clayton /55		
					VP5JM				VP2V/ N5GNM - Gor		
					VP5LJ				VP5BAM - Alex		
					VP5WM				VP5BC		
					VP5VDD				VP5RL		
					VP5 RF				(BK/ 11/08 +)		

2 MONS
HAM
CAMOS TO HL
LOSSES

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
10/08	28.5	SSB	1KW	1248	G4OJH	59 001	59 258				
	↓			1254	CN8FC	59	59		STEVE — 100W/2EL OP — WA4QMQP		
				1259	EA4CSJ	59	59		JESUS —		
				1300	RW9AB	59	59		Alex — 20W/5EL/		
				1301	LA5OFA	59	59				
				1302	DJ0EC	59	59		Dom		
				1303	IV3NVN	59	59		SIMON —		
				1304	SM7RME OP	59	59		10/14 225/4 1 / 2120 #s KD		
10/15	1490										
	28.5	SSB	1KW	0117	HL1AEIC	59	59		CHANG — SOEUC — IC751 — 537 DX HEC		
				0124	HL1SX	55	56		—		
	28502.8			0135	RW/UA9YX	59	59		20 Home Call UA9YX Some 23		(23)
	10/17 - 0230 — only 6S - WIKVK										
	10/18 - 0237 - NO MOS										
	10/19			1131	YE1HO	59					
				1134		59					

ADRian

Big Gus

White / Brown

dark yellow

Temple — 5658

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
10/19	28.488	CW			N1LT	59					
					G3	5-					
					[illegible]						
			10 - only TEP		SA5 0030	—			K7 —		
					W3KO/5				A88 20 —		
					WA5IYX						
					KGM4C				KGM4C 25-1 NNN / KGM4C/1CH6		
10/20	0885	QSB	—	2235	W8EPC	—			Doug /		
				2240	K5CM	—					
				2242	HH7PV	—					
10/22	0200	—	10 watt								
	7.160	SSB	1KW	1200	VP5SL						
					VP5LJ						
					VP5AB						
					VP5VDD						
					VP5JM						
					VP5WM						
					VP5AJ				S. Caicos — AU8SSN — Thomas		
					VP5FEB						
	28.502	SSB	1KW	1238	4N1K	59	59		44 1EA B		
					DL1SDN						
				KH6	9H1CG				/77/05 GG KGGDX 0640		
					W1AIM						
				1459	GJ4ICD						

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
10/23	~10 dBs	SSB	1KW	1130Z	~ CW/EA only + BKs as I TO 4UCB ~						
	28.528	SSB	1KW	1157	YI1BGD	57	57		ALI - BAGHDAD - IRAQ -		
	533			1159	LZ2ES	59	59		EROL / SAT. TV		
				1200	I1ZPK	59	59		TOM / ITALY -		
				1202	EA4AK	59	59		CW 2CW - ROBERT		
				1203	IK2~~AA~~DG	59	59				
				1204	~~IB~~S AT	59	59				
				1204	IK8HEE	59	59				
				1206	2S6BC~~F~~	59	59		CHRIS		
				1207	OK3LO	59	59		TIBOR		
				1209	I5R~~E~~EA	59	59		RICHARD		
				1209	OK3CKW	59	59				
				1210	CU3EM	59	59				
				1210	OK2KOD	59	59				
				1211	HA5UD	59	59				
				1212	SP7ZX~~M~~	59	59				
				1212	I4AND ~~K~~	59	59				
	486			1219	5Z4HKC	57	57		CAL		
			(V4 STRONG BKS FROM STATES)						K02 ↓ / ANOTHER MAJOR FLARE -		
									AP2JA 455.4 - 1122		
10/25				1157	CT1DTO	59	57				
					9H1CG						
					~~PA~~NHP				Z23JU		
				1307	FG6NP	57	57		MICHELLE		

423 x 4 H

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
11/08	50.044	143.0		0444							
					0X3 VHF 559						
		144.1			ICP2A BKS 315°		0X3 559				
		152.6			NS / 1521 - Ve 5 9						
				1523	N6BIC	55	44		BOB / S. CAL		
				1526	VE5VL	55	52		VIC - SASKATOON		
				1529	VE5LY	57	59		ROSS - REGINA		
				1530	WØOSP	59	45		- EN17 SOUTH N.D.		
				1640	NC 6S + 7S WILL 57		1705 N7DBS 59		/ 087 / VE7BCX / QSL - 559		
	.088			1708	VE7BK (EX)	559	549				
					C7TO VE1(W1) X(1015)				OR		
11/09	1210 - NS										
	1235 - 0383			007 / 60° / 108 / 9H							
	1239 - TV Sig		703.8 010 255	/ Multiple TV Summers?		1245	120 TO 130 OA BAST / WICH 9 8 IDZ		GB3 SIX 125V OA8 559 PAØ TO OA8 1257		
				1308 - GB3SIX gone - V4 Wire TV -							
				1253	G3TJW	59	59		IO 80		
				1303	GJ4ICD	59	59		IN89		
			131(	TV PICS 30-45° - V4 Brown Multiple Carrier							
			1328	PCHB	185 CW Marker						
			1323	W4DR - BKS - + Many W's							
	137.8 →			1329	OH2TI	569	559				
			1428	NS - OTHERTHAN 0X3 VHF			569				
			1540	- 6,7S - ICEFW 599							
				1553	VE7XF	59	59		Ralph - Vancouver		
				1554	VE5XU	59	59		Gordie -		
				1555	VE5UE	59	59				

E 3
F1C
G5NU

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
11/09	0135	SSB	100	1535	N7ANL	59	59		DN18		
11/10	0000	NS ✓		(Bitrates gone — TV Ref SYNC OFF)							
	0422	NS ✓									
	1212 —	NS ✓									
	1229 —	155	WILAND 50:1W —								
	1234 —	133.8 /									
	1313 —	106.6 /		102.8 / IO90 G4CVI 34 / 127.7							
	1338 —	G4CVI (59) —		014 GB3SIX 559							
	1341	0X3 VHF		334 — 024 SDM Carrier ? —		G1 8YDZ 100.7					
	1348	SSB 1W		1348	G1 8YDZ	55	55		IO65 Allen 092° G1		
	<1400	G4CCZ — 1053 >									
				1402	G4CCZ	59	59		PAUL GW3MHW IO72		
	145			1404	G4NDG	57	57		IO80 PAUL NDG		
	<1409	GB3SIX 224 ↓ / 024 ↓	0X3 Slime TO ↑								
	<1429	GZ NOH 117 35 / GB3SIX 334	/ 0X3 334 /								
	<1435	GB3 229 / 0X3 579 /									
	<1501	KB7FWV —									
	120			1502	KB7FWV	59	59		ZACH DN44		
	<1514	0X3 339 / >	<1521 NS >								
	2327 —	NS ✓									
11/10	1218	GB3SIX —	Brian 30-90 559 PIC	040 / 024	559 / 024	MAM G1 —					
				1224	G4FXW	57	57		IO93 — Allen		
				1224	PA0OOS	58	59		JO33HG — Jan P		
				1227	SM7FSE	55	55		—		
				1228	PE1SPX	57	58		33		
				1229	PE1LAU	57	55		" 33		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
11/24			100	1229	PE1JWV	57	59		JO33 - 5450		
				1230	PA3BGM	57	56		" " "		
				1231	G1KDF	57	57		- B6		
				1231	PE1KMO	59	59		JO32 -		
				1231	PE1DAB	59	59		JO23		
				1233	PA3ECH	59	59		JO32		
				123	PA3BFM	59	59		JO22		
					PE1LSS	59	59		JO22 JOHN		
				1234	PE1EVX	59	59		JO22		
				1235	PA3BYI	59	59		-		
				1235	PA3ANV	59	59		JO32		
				1	PA0ERA	59	59				
					PE1HXD	59					
				1236	SM7BAE	59	59		JO65		
				1238	SM6ESG	59	56		JO67		
				1238	OH5NQ	59	59		KP30 Pet...		
				1239	SM7AED	57	59				
					~~SM6~~						
				1240	G7AHV	59	59		JO02		
				1240	~~SM6~~ PU	59	59				
				1241	OH1AYQ	59	59		KP12		
				1241	OH2BUW	59	59		KP30		
				1241	OH1BAA	~~59~~	~~59~~				
				1242	PE1CZG	59	59		JO22 GCR		
				1243	PA6EQK	59	59		JO22		

1 W K

DATE	FREQ.	MODE	POWER
	127.0		

TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
1244	PE1 HXD	59			JO33		
1244	~~wkd~~	59	59				
1245	G4BAO	59	59		JO02 JOHN		
45	G3PWK	59	59		-		
1246	PA0PVW	59	59		JO21 - Degen		
1248	OH2BC	59	59		-		
1249	OH2 ~~TK~~	59	59				
1249	G4FUF	59	59		JO01 -		
1251	SM6AEK	59	59		-		
1250	SM6CMU	57	59		-		
1251	OH2HK	59	59				
1252	SM0H P	59	59				
1252	OH3NJC	59	59		KP11		
1253	PA0EHA	59	59		JO20		
1254	LA8 ~~OW~~	59	59				
1255	PA3FGH	57	57				
	~~GI~~						
1252	G4IFX	59	59		IO94		
1256	G4CVI	59	59		JO90		
1257	G1AWP	59	59		IO95 Bill		
1257	G4IZH	59	59		IO94 Peter		
1258	PA0BM	59	59		JO22		
	(PA0AHX)						
1259	PA2 ~~YST~~	59	59				
1300	PA0EHA	59	59		JO20		
1300	G8PRW	59	59				

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
				1300	PK2 ZF	59	59				
				1302	G1YNR	~~59~~	59		93		
				1303	G4XNS	59	59		83		
				1304	PA3 DCP	59	59				
				1304	G1OVA	59	59		IO93		
				1305	G1PEY	59	59		IO93		
				1305	G4JXY	~~59~~	59		IO03 Near		
				1306	PA2TAB	59	59		JO32		
				1307	PE1 MHO	57	59		JO32 10-		
				1308	PA3AUC	59	59		JO21		
					~~PA0~~						
					PA3 BAS	59	59		JO24		
					PA0 AHX	57	59				
					PA3 DAS	59	59				
					~~PE1 DL~~						
				1309	G3SDL	59	59		JO01		
				1311	OH8MT	59	59		KP24		
				1312	OH1YP	59	59		KP10		
				1312	OH3KT	~~59~~	59				
					~~OH1EM~~						
				1314	OH1ZE	59	59		JO28		
				1315	LA9RAA	59	59		JO28		
				1316	OH3MF	59	59				
					WB2OTK	59	59				
				1318	LA9UX	59	59				
				1318	~~G3 VE~~				OH1VR/3 KP11		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
	3784			0620	N6AA/PY5	7	44		Dick Norton		
				0624	YV2EMR			Henry	160s. Collins. CBA		
				0615	K1JJ				Tom CT		
				0620	KJ4U				Phil		
				0639	WQ9B				John		
				0642	G4AMN				Chris.		
					G4AMT	9	9		Lands End		
				0645	OZ6PI	8/7	5				
					OZ3PZ	9	9				
					SM4CTT	8	9				
				0650	G3SJH	9	9				
	14,225			22,13	VK2WC	7	4/7		Bill 250w N Sydney.		
				22.16	K2VCU				Hank Fred		
					4Z4DX						
					GM0VBIC1				Roly		
	1845				W9SMY	9	7		FL		

Allocation of International Call Signs

Call Sign Series	*Allocated to*
AAA-ALZ	United States of America
AMA-AOZ	Spain
APA-ASZ	Pakistan (Islamic Republic of)
ATA-AWZ	India (Republic of)
AXA-AXZ	Australia
AYA-AZZ	Argentine Republic
A2AAAA-A22ZZZ	Botswana (Republic of)
A3A-A3Z	Tonga (Kingdom of)
A4A-A4Z	Oman (Sultanate of)
A5A-A5Z	Bhutan (Kingdom of)
A6A-A6Z	United Arab Emirates
A7A-A7Z	Qatar (State of)
A8A-A8Z	Liberia (Republic of)
A9A-A9Z	Bahrain (State of)
BAA-BZZ	China (People's Republic of)
CAA-CEZ	Chile
CFA-CKZ	Canada
CLA-CMZ	Cuba
CNA-CNZ	Morocco (Kingdom of)
COA-COZ	Cuba
CPA-CPZ	Bolivia (Republic of)
CQA-CUZ	Portugal
CVA-CXZ	Uruguay (Oriental Republic of)
CYA-CZZ	Canada
C2A-C2Z	Nauru (Republic of)
C3A-C3Z	Andorra (Principality of)
C4A-C4Z	Cyprus (Republic of)
C5A-C5Z	Gambia (Republic of the)
C62AA-C69ZZ	Bahamas (Commonwealth of the)
C7A-C7Z*	World Meteorological Organization
C8A-C9Z	Mozambique (People's Republic of)
DAA-DRZ	Germany (Federal Republic of)
DSA-DTZ	Republic of Korea
DUA-DZZ	Philippines (Republic of the)
D2A-D3Z	Angola (People's Republic of)
D4A-D4Z	Cape Verde (Republic of)
D5A-D5Z	Liberia (Republic of)
D6A-D6Z	Comoros (Federal and Islamic Republic of the)
D7A-D9Z	Republic of Korea
EAA-EHZ	Spain
EIA-EJZ	Ireland
EKA-EKZ	Union of Soviet Socialist Republics
ELA-ELZ	Liberia (Republic of)
EMA-EOZ	Union of Soviet Socialist Republics
EPA-EQZ	Iran (Islamic Republic of)
ERA-ESZ	Union of Soviet Socialist Republics
ETA-ETZ	Ethiopia
EUA-EWZ	Byelorussian Soviet Socialist Republic
EXA-EZZ	Union of Soviet Socialist Republics
FAA-FZZ	France
GAA-GZZ	United Kingdom of Great Britain and Northern Ireland
HAA-HAZ	Hungarian People's Republic
HBA-HBZ	Switzerland (Confederation of)
HCA-HDZ	Ecuador
HEA-HEZ	Switzerland (Confederation of)
HFA-HFZ	Poland (People's Republic of)
HGA-HGZ	Hungarian People's Republic
HHA-HHZ	Haiti (Republic of)
HIA-HIZ	Dominican Republic
HJA-HKZ	Colombia (Republic of)
HLA-HLZ	Republic of Korea
HMA-HMZ	Democratic People's Republic of Korea
HNA-HNZ	Iraq (Republic of)
HOA-HPZ	Panama (Republic of)
HQA-HRZ	Honduras (Republic of)
HSA-HSZ	Thailand
HTA-HTZ	Nicaragua
HUA-HUZ	El Salvador (Republic of)
HVA-HVZ	Vatican City State
HWA-HYZ	France
HZA-HZZ	Saudi Arabia (Kingdom of)
H2A-H2Z	Cyprus (Republic of)
H3A-H3Z	Panama (Republic of)
H4A-H4Z	Solomon Islands
H6A-H7Z	Nicaragua
H8A-H9Z	Panama (Republic of)
IAA-IZZ	Italy
JAA-JSZ	Japan
JTA-JVZ	Mongolian People's Republic
JWA-JXZ	Norway
JYA-JYZ	Jordan (Hashemite Kingdom of)
JZA-JZZ	Indonesia (Republic of)
J2A-J2Z	Djibouti (Republic of)
J3A-J3Z	Grenada
J4A-J4Z	Greece
J5A-J5Z	Guinea-Bissau (Republic of)
J6A-J6Z	Saint Lucia
J7A-J7Z	Dominica
J8A-J8Z	St. Vincent
KAA-KZZ	United States of America
LAA-LNZ	Norway
LOA-LWZ	Argentine Republic
LXA-LXZ	Luxembourg
LYA-LYZ	Union of Soviet Socialist Republics
LZA-LZZ	Bulgaria (People's Republic of)
L2A-L9Z	Argentina (Republic of)
MAA-MZZ	United Kingdom of Great Britain and Northern Ireland
NAA-NZZ	United States of America
OAA-OCZ	Peru
ODA-ODZ	Lebanon
OEA-OEZ	Austria
OFA-OJZ	Finland
OKA-OMZ	Czechoslovak Socialist Republic
ONA-OTZ	Belgium
OUA-OZZ	Denmark
PAA-PIZ	Netherlands (Kingdom of the)
PJA-PJZ	Netherlands Antilles
PKA-POZ	Indonesia (Republic of)
PPA-PYZ	Brazil (Federative Republic of)
PZA-PZZ	Suriname (Republic of)
P2A-P2Z	Papua New Guinea
P3A-P3Z	Cyprus (Republic of)
P4A-P4Z	Netherlands Antilles
P5A-P9Z	Democratic People'e Republic of Korea
QAA-QZZ	(Service abbreviations)
RAA-RZZ	Union of Soviet Socialist Republics
SAA-SMZ	Sweden
SNA-SRZ	Poland (People's Republic of)
SSA-SSM	Egypt (Arab Republic of)
SSN-STZ	Sudan (Democratic Republic of the)
SUA-SUZ	Egypt (Arab Republic of)
SVA-SZZ	Greece
S2A-S3Z	Bangladesh (People's Republic of)
S6A-S6Z	Singapore (Republic of)
S7A-S7Z	Seychelles (Republic of)
S92AA-S92ZZ	Sao Tome and Principe (Democratic Republic of)
TAA-TCZ	Turkey
TDA-TDZ	Guatemala (Republic of)
TEA-TEZ	Costa Rica
TFA-TFZ	Iceland
TGA-TGZ	Guatemala (Republic of)
THA-THZ	France
TIA-TIZ	Costa Rica
TJA-TJZ	Cameroon (United Republic of)
TKA-TKZ	France
TLA-TLZ	Central African Republic
TMA-TMZ	France
TNA-TNZ	Congo (People's Republic of the)
TOA-TQZ	France
TRA-TRZ	Gabon Republic
TSA-TSZ	Tunisia
TTA-TTZ	Chad (Republic of)
TUA-TUZ	Ivory Coast (Republic of the)
TVA-TXZ	France
TYA-TYZ	Benin (People's Republic of)
TZA-TZZ	Mali (Republic of)
T2A-T2Z	Tuvalu
T3A-T3Z	Kiribati Republic
T4A-T4Z	Cuba
T5A-T5Z	Somali Democratic Republic
T6A-T6Z	Afghanistan (Democratic Republic of)
T7A-T7Z	Republic of San Marino
UAA-UQZ	Union of Soviet Socialist Republics
URA-UTZ	Ukrainian Soviet Socialist Republic
UUA-UZZ	Union of Soviet Socialist Republics
V2A-V2Z	Antigua and Barbuda
V3A-V3Z	Belize
V4A-V4Z	St. Christopher and Nevis
VAA-VGZ	Canada
VHA-VNZ	Australia
VOA-VOZ	Canada
VPA-VSZ	United Kingdom of Great Britain and Northern Ireland
VTA-VWZ	India (Republic of)
VXA-VYZ	Canada
VZA-VZZ	Australia
WAA-WZZ	United States of America
WAA-WZZ	United States of America
XAA-XIZ	Mexico
XJA-XOZ	Canada
XQA-XRZ	Chile
XSA-XSZ	China (People's Republic of)
XTA-XTZ	Burkina Faso
XUA-XUZ	Democratic Kampuchea
XVA-XVZ	Viet Nam (Socialist Republic of)

(Continued)

XWA-XWZ	Lao People's Democratic Republic
XXA-XXZ	Portugal
XYA-XZZ	Burma (Socialist Republic of the Union of)
YAA-YAZ	Afghanistan (Democratic Republic of)
YBA-YHZ	Indonesia (Republic of)
YIA-YIZ	Iraq (Republic of)
YJA-YJZ	New Hebrides
YKA-YKZ	Syrian Arab Republic
YLA-YLZ	Union of Soviet Socialist Republics
YMA-YMZ	Turkey
YNA-YNZ	Nicaragua
YOA-YRZ	Romania (Socialist Republic of)
YSA-YSZ	El Salvador (Republic of)
YTA YUZ	Yugoslavia (Socialist Federal Republic of)
YVA-YYZ	Venezuela (Republic of)
YZA-YZZ	Yugoslavia (Socialist Federal Republic of)
Y2A-Y9Z	German Democratic Republic
ZAA-ZAZ	Albania (Socialist People's Republic of)
ZBA-ZJZ	United Kingdom of Great Britain and Northern Ireland
ZKA-ZMZ	New Zealand
ZNA-ZOZ	United Kingdom of Great Britain and Northern Ireland
ZPA-ZPZ	Paraguay (Republic of)
ZQA-ZQZ	United Kingdom of Great Britain and Northern Ireland
ZRA-ZUZ	South Africa (Republic of)
ZVA-ZZZ	Brazil (Federative Republic of)
Z2A-Z2Z	Zimbabwe
2AA-2ZZ	United Kingdom of Great Britain and Northern Ireland
3AA-3AZ	Monaco
3BA-3AZ	Mauritius
3CA-3CZ	Equatorial Guinea (Republic of)
3DA-3DM	Swaziland (Kingdom of)
3DN-3DZ	Fiji
3EA-3FZ	Panama (Republic of)
3GA-3GZ	Chile
3HA-3UZ	China (People's Republic of)
3VA-3VZ	Tunisia
3WA-3WZ	Viet Nam (Socialist Republic of)
3XA-3XZ	Guinea (People's Revolutionary Republic of)
3YA-3YZ	Norway
3ZA-3ZZ	Poland (People's Republic of)
4AA-4CA	Mexico
4DA-4IZ	Philippines (Republic of the)
4JA-4LZ	Union of Soviet Socialist Republics
4MA-4MZ	Venezuela (Republic of)
4NA-4OZ	Yugoslavia (Socialist Federal Republic of)
4PA-4SZ	Sri Lanka (Democratic Socialist Republic of)
4TA-4TZ	Peru
4UA-4UZ*	United Nations Organization
4VA-4VZ	Haiti (Republic of)
4WA-4WZ	Yemen Arab Republic
4XA-4XZ	Israel (State of)
4YA-4YZ*	International Civil Aviation Organization
4ZA-4ZZ	Israel (State of)
5AA-5AZ	Libya (Socialist People's Libyan Arab Jamahiriya)
5BA-5BZ	Cyprus (Republic of)
5CA-5GZ	Morocco (Kingdom of)
5HA-5IZ	Tanzania (United Republic of)
5JA-5KZ	Colombia (Republic of)
5LA-5MZ	Liberia (Republic of)
5NA-5OZ	Nigeria (Federal Republic of)
5PA-5QZ	Denmark
5RA-5SZ	Madagascar (Democratic Republic of)
5TA-5TZ	Mauritania (Islamic Republic of)
5UA-5UZ	Niger (Republic of the)
5VA-5VZ	Togolese Republic
5WA-5WZ	Western Samoa
5XA-5XZ	Uganda (Republic of)
5YA-5ZZ	Kenya (Republic of)
6AA-6BZ	Egypt (Arab Republic of)
6CA-6CZ	Syrian Arab Republic
6DA-6JZ	Mexico
6KA-6NZ	Republic of Korea
6OA-6OZ	Somali Democratic Republic
6PA-6SZ	Pakistan (Islamic Republic of)
6TA-6UZ	Sudan (Democratic Republic of the)
6VA-6WZ	Senegal (Republic of the)
6XA-6XZ	Madagascar (Democratic Republic of)
6YA-6YZ	Jamaica
6ZA-6ZZ	Liberia (Republic of)
7AA-7IZ	Indonesia (Republic of)
7JA-7NZ	Japan
7OA-7OZ	Yemen (People's Democratic Republic of)
7PA-7PZ	Lesotho (Kingdom of)
7QA-7QZ	Malawi (Republic of)
7RA-7RZ	Algeria (Algerian Democratic and Popular Republic)
7SA-7SZ	Sweden
7TA-7YZ	Algeria (Algerian Democratic and Popular Republic)
7ZA-7ZZ	Saudi Arabia (Kingdom of)
8AA-8IZ	Indonesia (Republic of)
8JA-8NZ	Japan
8OA-8OZ	Botswana (Republic of)
8PA-8PZ	Barbados
8QA-8QZ	Maldives (Republic of)
8RA-8RZ	Guyana
8SA-8SZ	Sweden
8TA-8YZ	India (Republic of)
8ZA-8ZZ	Saudi Arabia (Kingdom of)
9AA-9AZ	San Marino (Republic of)
9BA-9DZ	Iran (Islamic Republic of)
9EA-9FZ	Ethiopia
9GA-9GZ	Ghana
9HA-9HZ	Malta (Republic of)
9IA-9JZ	Zambia (Republic of)
9KA-9KZ	Kuwait (State of)
9LA-9LZ	Sierra Leone
9MA-9MZ	Malaysia
9NA-9NZ	Nepal
9OA-9TZ	Zaire (Republic of)
9UA-9UZ	Burundi (Republic of)
9VA-9VZ	Singapore (Republic of)
9WA-9WZ	Malaysia
9XA-9XZ	Rwanda (Republic of)
9YA-9ZZ	Trinidad and Tobago

*The series of call signs with an asterisk indicate the international organization to which they are allocated.

ARRL RECOMMENDED PRECEDENCES

Please observe the following ARRL provisions for PRECEDENCES in connection with written message traffic. These provisions are designed to increase the efficiency of our service both in normal times and in emergency.

Precedences

EMERGENCY Any message having life and death urgency to any person or group of persons, which is transmitted by Amateur Radio in the absence of regular commercial facilities. This includes official messages of welfare agencies during emergencies requesting supplies, materials or instruction vital to relief of stricken populace in emergency areas. During normal times, it will be **very rare**. On CW/RTTY, this designation will **always** be spelled out. When in doubt, do not use it.

PRIORITY Use abbreviation *P* on CW/RTTY. This classification is for a) important messages having a specific time limit b) official messages not covered in the emergency category c) press dispatches and emergency-related traffic not of the **utmost** urgency d) notice of death or injury in a disaster area, personal or official.

WELFARE This classification, abbreviated as *W* on CW/RTTY, refers to either an inquiry as to the health and welfare of an individual in the disaster area or an advisory from the disaster area that indicates all is well. Welfare traffic is handled only after all emergency and priority traffic is cleared. The Red Cross equivalent to an incoming Welfare message is DWI (Disaster Welfare Inquiry).

ROUTINE Most traffic in normal times will bear this designation. In disaster situations, traffic labeled Routine (*R* on CW/RTTY) should be handled last, or not at all when circuits are busy with higher precedence traffic.

NOTE: The precedence always follows the message number. For an example, a message number may be 207 *R* on CW and "Two Zero Seven Routine" on phone.

ARRL NUMBERED RADIOGRAMS

The letters ARL are inserted in the preample in the check and in the text before spelled out numbers, which represent texts from this list. Note that some ARL texts include insertion of numerals. *Example:* NR 1 R W1AW ARL 5 NEWINGTON CONN JUNE 1 DONALD R SMITH AA 164 EAST SIXTH AVE AA NORTH RIVER CITY MO AA PHONE 733 3968 BT ARRL FIFTY ARL SIXTY ONE BT DIANA AR. For additional information about traffic handling, consult *The ARRL Operating Manual.*

Group One—For Possible "Relief Emergency" Use

ONE	Everyone safe here. Please don't worry.
TWO	Coming home as soon as possible.
THREE	Am in _____ hospital. Receiving excellent care and recovering fine.
FOUR	Only slight property damage here. Do not be concerned about disaster reports.
FIVE	Am moving to new location. Send no further mail or communication. Will inform you of new address when relocated.
SIX	Will contact you as soon as possible.
SEVEN	Please reply by Amateur Radio through the amateur delivering this message. This is a free public service.
EIGHT	Need additional _____ mobile or portable equipment for immediate emergency use.
NINE	Additional _____ radio operators needed to assist with emergency at this location.
TEN	Please contact _____ . Advise to standy and provide further emergency information, instructions or assistance
ELEVEN	Establish Amateur Radio emergency communications with _____ on _____ MHz.
TWELVE	Anxious to hear from you. No word in some time. Please contact me as soon as possible.
THIRTEEN	Medical emergency situation exists here.
FOURTEEN	Situation here becoming critical. Losses and damage from _____ increasing.
FIFTEEN	Please advise your conditiona and what help is needed.
SIXTEEN	Property damage very severe in this are.
SEVENTEEN	REACT communications services also available. Establish REACT communications with _____ on channel _____.
EIGHTEEN	Please contact me as soon as possible at _____.
NINETEEN	Request health and welfare report on _____. (State name, address and telephone number.)
TWENTY	Temporarily stranded. Will need some assistance. Please contact me at _____.
TWENTY ONE	Search and Rescue assistance is needed by local authoriries here. Advise availability.
TWENTY TWO	Need accurate information on the extent and type of conditions new existing at your location. Please furnish this information and reply without delay.
TWENTY THREE	Report at once the accessibility and best way to reach your location.
TWENTY FOUR	Evacuation of residents from this area urgently needed. Advise plans for help.
TWENTY FIVE	Furnish as soon as possible the weather conditions at your location.
TWENTY SIX	Help and care for evacuation of sick and injured from this location needed at once.

Emergency/priority messages originating from official sources, must carry the signature of the originating official.

Group Two—Routine messages

FORTY SIX	Greetings on your birthday and best wishes for many more to come.
FIFTY	Greetings by Amateur Radio
FIFTY ONE	Greetings by Amateur Radio. This message is sent as a free public service by ham radio operators here at _____ . Am having a wonderful time.
FIFTY TWO	Really enjoyed being with you. Looking forward to getting together again.
FIFTY THREE	Received your _____ . It's appreciated; many thanks.
FIFTY FOUR	Many thaks for your good wishes.
FIFTY FIVE	Good news is always welcome. Very delighted to hear about yours.
FIFTY SIX	Congratulations on your _____ , a most worthy and deserved achievement.
FIFTY SEVEN	Wish we could be together.
FIFTY EIGHT	Have a wonderful time. Let us know when you return.
FIFTY NINE	Congratulations on the new arrival. Hope mother and child are well.
*SIXTY	Wishing you the best of everything on _____ .
SIXTY ONE	Wishing you a very merry Christmas and a happy New Year.
*SIXTY TWO	Greetings and best wishes to you for a pleasant _____ holiday season.
SIXTY THREE	Victory or defeat, our best wishes are with you. Hope you win.
SIXTY FOUR	Arrived safely at _____ .
SIXTY FIVE	Arriving _____ on _____ . Please arrange to meet me there.
SIXTY SIX	DX QSLs are on hand for you at the _____ QSL Bureau. Send _____ self addressed envelopes.
SIXTY SEVEN	Your message number _____ undeliverable because of _____ . Please advise.
SIXTY EIGHT	Sorry to hear that you are ill. Best wishes for a speedy recovery.

ARL NUMBERS SHOULD BE SPELLED OUT AT ALL TIMES

*Can be used for all holidays.

License Renewal Information

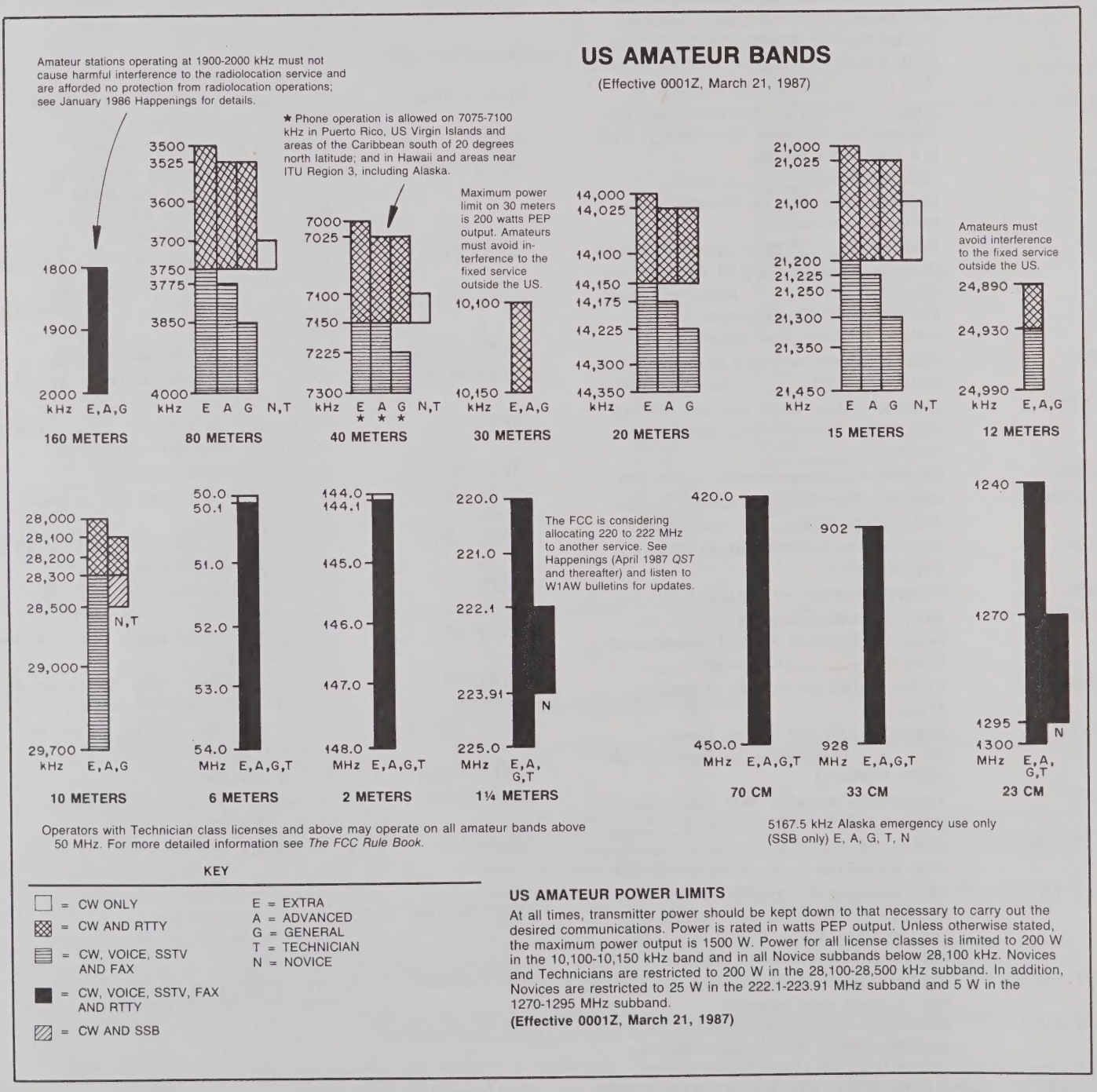
1) Attach a photocopy, or the original, of your license to the FCC Form 610 (available from ARRL HQ; SASE, please).

2) Mail to FCC, Gettysburg, PA 17326.

3) Retain copies of everything, if possible, as proof of filing before expiration. If you file before the license expiration date, you may continue to operate beyond the expiration date and until the new license arrives. After expiration, there is a two-year grace period under which you may still renew and keep your call sign without retesting, but you must wait until the new license arrives to operate. After this two-year grace period expires, you must be reexamined for a new license. Normally, application should be made approximately 90 days before expiration; however, renewal can be applied for at any time during the term of the license.

4) If you are simply modifying your license (change of address, for example), you must fill out the Form 610; a letter is no longer sufficient. Incidentally, your license will also be automatically renewed for 10 years at this time.

5) If you have any questions or problems, drop a note to Regulatory Information Branch, ARRL HQ.


US AMATEUR BANDS
(Effective 0001Z, March 21, 1987)
Amateur stations operating at 1900-2000 kHz must not cause harmful interference to the radiolocation service and are afforded no protection from radiolocation operations; see January 1986 Happenings for details.
★ Phone operation is allowed on 7075-7100 kHz in Puerto Rico, US Virgin Islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region 3, including Alaska.
Maximum power limit on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.
Amateurs must avoid interference to the fixed service outside the US.
160 METERS
80 METERS
40 METERS
30 METERS
20 METERS
15 METERS
12 METERS
10 METERS
6 METERS
2 METERS
1¼ METERS
70 CM
33 CM
23 CM
The FCC is considering allocating 220 to 222 MHz to another service. See Happenings (April 1987 QST and thereafter) and listen to W1AW bulletins for updates.
Operators with Technician class licenses and above may operate on all amateur bands above 50 MHz. For more detailed information see The FCC Rule Book.
5167.5 kHz Alaska emergency use only (SSB only) E, A, G, T, N
KEY
= CW ONLY
= CW AND RTTY
= CW, VOICE, SSTV AND FAX
= CW, VOICE, SSTV, FAX AND RTTY
= CW AND SSB
E = EXTRA
A = ADVANCED
G = GENERAL
T = TECHNICIAN
N = NOVICE
US AMATEUR POWER LIMITS
At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100-28,500 kHz subband. In addition, Novices are restricted to 25 W in the 222.1-223.91 MHz subband and 5 W in the 1270-1295 MHz subband.
(Effective 0001Z, March 21, 1987)

At the time this Logbook went to press, the FCC was considering enhanced Novice class license privileges. For the most up-to-date information, please check the latest edition of *The FCC Rule Book* or the "Happenings of the Month" column in *QST*.

INTERNATIONAL Q SIGNALS

A Q signal followed by a ? asks a question. A Q signal without the ? answers the question affirmatively, unless otherwise indicated.

QRA	What is the name of your station?
QRG	What's my exact frequency?
QRH	Does my frequency vary?
QRI	What is my signal intelligibility? (1-5)
QRL	Are you busy?
QRM	Is my transmission being interfered with?
QRN	Are you troubled by static?
QRO	Shall I increase transmitter power?
QRP	Shall I decrease transmitter power?
QRQ	Shall I send faster?
QRS	Shall I send slower?
QRT	Shall I stop sending?
QRU	Have you anything for me? (Answer in negative).
QRV	Are you ready?
QRW	Shall I tell ..... you're calling him?
QRX	When will you call again?
QRZ	Who is calling me?
QSA	What is my signal strength? (1-5)
QSB	Are my signals fading?
QSD	Is my keying defective?
QSG	Shall I send ..... messages at a time?
QSK	Can you work breakin?
QSL	Can you acknowledge receipt?
QSM	Shall I repeat the last message sent?
QSO	Can you communicate with ..... direct?
QSP	Will you relay to ..... ?
QSV	Shall I send a series of V's?
QSW	Will you transmit on ..... ?
QSX	Will you listen for ..... on ..... ?
QSY	Shall I change frequency?
QSZ	Shall I send each word/group more than once? (Answer, send twice or .....)
QTA	Shall I cancel number ..... ?
QTB	Do you agree with my word count? (Answer negative)
QTC	How many messages have you to send?
QTH	What is your location
QTR	What is your time?
QTV	Shall I stand guard for you ..... ?
QTX	Will you keep your station open for further communication with me?
QUA	Have you news of ..... ?

ITU PHONETIC ALPHABET

Word list adopted by the International Telecommunication Union

A	ALFA	**N**	NOVEMBER
B	BRAVO	**O**	OSCAR
C	CHARLIE	**P**	PAPA
D	DELTA	**Q**	QUEBEC
E	ECHO	**R**	ROMEO
F	FOXTROT	**S**	SIERRA
G	GOLF	**T**	TANGO
H	HOTEL	**U**	UNIFORM
I	INDIA	**V**	VICTOR
J	JULIET	**W**	WHISKEY
K	KILO	**X**	X-RAY
L	LIMA	**Y**	YANKEE
M	MIKE	**Z**	ZULU

IN AN EMERGENCY

Monitor your local emergency frequency.

Make contact with your local EC or RO.

Take immediate steps to follow any prearranged plans.

Stay off the air unless or until you are *sure* you can be of assistance.

In widespread emergencies, monitor W1AW for latest bulletins and news.

TIME CONVERSION CHART

UTC	EDT/AST	CDT/EST	MDT/CST	PDT/MST	PST
0000*	2000	1900	1800	1700	1600
0100	2100	2000	1900	1800	1700
0200	2200	2100	2000	1900	1800
0300	2300	2200	2100	2000	1900
0400	0000*	2300	2200	2100	2000
0500	0100	0000*	2300	2200	2100
0600	0200	0100	0000*	2300	2200
0700	0300	0200	0100	0000*	2300
0800	0400	0300	0200	0100	0000*
0900	0500	0400	0300	0200	0100
1000	0600	0500	0400	0300	0200
1100	0700	0600	0500	0400	0300
1200	0800	0700	0600	0500	0400
1300	0900	0800	0700	0600	0500
1400	1000	0900	0800	0700	0600
1500	1100	1000	0900	0800	0700
1600	1200	1100	1000	0900	0800
1700	1300	1200	1100	1000	0900
1800	1400	1300	1200	1100	1000
1900	1500	1400	1300	1200	1100
2000	1600	1500	1400	1300	1200
2100	1700	1600	1500	1400	1300
2200	1800	1700	1600	1500	1400
2300	1900	1800	1700	1600	1500
2400	2000	1900	1800	1700	1600

Coordinated Universal Time (UTC) is the time at the zero or reference meridian. Time changes one hour with each change of 15° in longitude. The five time zones in the U.S. proper and Canada roughly follow these lines.

*0000 and 2400 are interchangeable. 2400 is associated with the date of the day ending. 0000 with the day just starting.

THE R-S-T SYSTEM

READABILITY

1—Unreadable.
2—Barely readable, occasional words distinguishable.
3—Readable with considerable difficulty.
4—Readable with practically no difficulty.
5—Perfectly readable.

SIGNAL STRENGTH

1—Faint signals, barely perceptible.
2—Very weak signals.
3—Weak signals.
4—Fair signals.
5—Fairly good signals.
6—Good signals.
7—Moderately strong signals.
8—Strong signals.
9—Extremely strong signals.

TONE

1—Sixty cycle ac or less, very rough and broad.
2—Very rough ac, very harsh and broad.
3—Rough ac tone, rectified but not filtered.
4—Rough note, some trace of filtering.
5—Filtered rectified ac, but strongly ripply-modulated.
6—Filtered tone, definite trace of ripple modulation.
7—Near pure tone, trace of ripple modulation.
8—Near perfect tone, slight trace of modulation.
9—Perfect tone, no trace of ripple, or modulation of any kind.

If the signal has the characteristic steadiness of crystal control, add the letter X to the RST report. If there is a chirp, the letter C may be added to so indicate. Similarly for a click, add K. The above reporting system is used on both CW and voice, leaving out the "tone" report on voice.

A
R
R
L